

IDT Launches Industry's First Software Upgradeable Digital Gas Sensor Platform for Smart Refrigerators

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ZMOD4450 Gas Sensor is Easily Configured for Smart Refrigerators and Other Refrigeration Air Quality (RAQ) Applications

SAN JOSE, Calif., Jan. 7, 2019 /PRNewswire/ -- Integrated Device Technology, Inc. ([IDT](#)) (NASDAQ: IDTI), is enabling manufacturers to add new odor detection and mitigation capabilities to their smart refrigerators with the introduction today of the IDT® [ZMOD4450 refrigeration gas sensor platform](#), the first integrated digital gas sensor for Refrigeration Air Quality (RAQ) applications. The ZMOD4450 can detect the gases produced by spoiling fruits, vegetables, meat or dairy products and enables smart refrigerators to post alerts on their door-mounted displays, notify users via their smartphones and even trigger active deodorizing systems.



"Our new ZMOD4450 gas sensor gives smart refrigerator makers an edge in this increasingly competitive space by enabling them to prevent bad odors and reduce food waste due to spoilage," said Uwe Guenther, general manager of IDT's industrial group. "In addition to the compelling capabilities it enables for consumers, the highly flexible ZMOD4450 sensor platform is an excellent solution for a variety of refrigeration air quality applications."

The ZMOD4450 is software configured to sense a wide variety of gases that produce odors, affect food taste or cause foods to spoil prematurely. Early detection of these gases – ethylene, hydrogen sulfide, dimethyl sulfide, trimethylamine and more – enables consumers to identify and discard spoiled food before it affects other foods. For example, ethylene produced by an overripe piece of fruit will accelerate the ripening of nearby fruit.

Every ZMOD4450 sensor is calibrated with ethylene to ensure consistency from lot to lot, an important advantage for manufacturers with long production runs. ZMOD4450 devices offer best-in-class reliability as a result of receiving complete qualification for harsh use cases – such as siloxanes – and from an unprecedented life characterization.

The ZMOD4450 is the newest member of IDT's ZMOD™ family of gas sensors. Visit www.idt.com/zmod4450 or contact your local IDT sales representative to learn more.

About IDT

Integrated Device Technology, Inc. develops system-level solutions that optimize its customers' applications. IDT's market-leading products in RF, high performance timing, memory interface, real-time interconnect, optical interconnect, wireless power, and smart sensors are among the company's broad array of complete mixed-signal solutions for the communications, computing, consumer, automotive and industrial segments. Headquartered in San Jose, Calif., IDT has design, manufacturing, sales facilities and distribution partners throughout the world. IDT stock is traded on the NASDAQ Global Select Stock Market® under the symbol "IDTI." Additional information about IDT can be found at idt.com. Follow IDT on [Facebook](#), [LinkedIn](#), [Twitter](#), and [YouTube](#).

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